

## PKA inhibitor fragment (6-22) amide Acetate

## Chemical Properties

CAS No. :

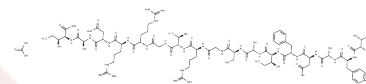
Formula: C82H134N28O26

Molecular Weight: 1928.11

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	PKA inhibitor fragment (6-22) amide Acetate is a synthetic peptide which selectively inhibits PKA activity by binding to its substrate site (IC50 < 2 nM).
Targets(IC50)	PKA

## Solubility Information

Solubility	DMSO: 55 mg/mL (28.53 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5186 mL	2.5932 mL	5.1864 mL
5 mM	0.1037 mL	0.5186 mL	1.0373 mL
10 mM	0.0519 mL	0.2593 mL	0.5186 mL
50 mM	0.0104 mL	0.0519 mL	0.1037 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Katz BM, et, al. Synthesis, characterization and inhibitory activities of (4-N<sup>3</sup>[3,5-<sup>3</sup>H]Phe<sup>10</sup>)PKI(6-22)amide and its precursors: photoaffinity labeling peptides for the active site of cyclic AMP-dependent protein kinase. Int J Pept Protein Res. 1989 Jun;33(6):439

Glass DB, et al. Conformationally constrained analogs of protein kinase inhibitor (6-22)amide: effect of turn structures in the center of the peptide on inhibition of cAMP-dependent protein kinase. Protein Sci. 1995 Mar;4(3): 405-15.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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